



CLEAN
SUBSTITUTE
SPECIFICATION

FILTRATION DEVICE

Technical Field of the Invention

The present invention relates to a filtration device for filtering liquids, such as water. Particularly, the present invention relates to a filtration device having a filtration media cleansing mechanism in the interior thereof.

Background Art

If filtration devices are utilized for long periods of time, filtration media (filtration sand) within filtration tanks of the filtration devices become clogged. This prevents the performance of efficient filtration, and deteriorates the quality of filtered liquids, such as water. For this reason, clogging is eliminated by removing contaminants, which are attached to the filtration media. In order to perform operations efficiently, it is desirable that the process of removing the contaminants from the filtration media, that is, a cleansing process, be performed in a short amount of time with few steps. It is also desirable that the cleansing process be performed without taking up additional space. For these reasons, it is considered to provide filtration sand cleansing devices (filtration media cleansing mechanisms) within filtration tanks. The provision of cleansing mechanisms within filtration tanks would enable efficient cleansing of filtration media in a short amount of time, without removing the filtration media from within the filtration tanks.

There are known filtration devices, as disclosed in

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